

Comparisons of Job Characteristics

Focus Occupation: Natural Sciences Managers (11-9121)

Associated Occupation: Forest and Conservation Technicians (19-4093)

[Compare Knowledge](#)

[Compare Skills](#)

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| | |
|----|--|
| << | Focus occupation element is much lower |
| < | Focus occupation element is lower |
| 0 | Focus occupation element is at a similar level |
| > | Focus occupation element is at a higher level |
| >> | Focus occupation element is at a much higher level |

Knowledge

Similarity of Focus Occupation to Associated Occupation: 40

Focus Occupation: Natural Sciences Managers (11-9121)

Associated Occupation: Forest and Conservation Technicians (19-4093)

| Associated Occupation's Key Knowledge Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |
|--|---------------------------------|--------------------------------|---------------------------|--|
| Geography | 3.9 | 13.3 | 5.9 | << Extensive education and/or training may be required |
| Transportation | 4.6 | 11.5 | 3.4 | << Extensive education and/or training may be required |
| Biology | 3.7 | 9.4 | 11.8 | > Current knowledge level is likely sufficient |
| History and Archeology | 2.6 | 8.4 | 3.4 | << Extensive education and/or training may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 58

Focus Occupation: Natural Sciences Managers (11-9121)

Associated Occupation: Forest and Conservation Technicians (19-4093)

| Associated Occupation's Key Skills Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation |
|---|---------------------------------|--------------------------------|---------------------------|---|
| Management of Personnel Resources | 6.9 | 9.1 | 13.2 | >> Skill level is likely more than sufficient |
| Mathematics | 6.2 | 9.1 | 10.6 | > Skill level is likely sufficient |
| Equipment Selection | 3.3 | 5.3 | 1.3 | << Extensive development of skills in this area may be required |
| Programming | 2.2 | 4.6 | 3.9 | < A higher skill level may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 70

Focus Occupation: Natural Sciences Managers (11-9121)

Associated Occupation: Forest and Conservation Technicians (19-4093)

| Associated Occupation's Key Abilities Elements | Average Rating, All Occupations | Associated Occupation's Rating | Focus Occupation's Rating | Evaluation of Focus Occupation | |
|--|---------------------------------|--------------------------------|---------------------------|--------------------------------|--|
| Far Vision | 7.8 | 11.9 | 6.1 | << | Extensive improvement in abilities may be required |
| Depth Perception | 5.3 | 9.2 | 4.4 | << | Extensive improvement in abilities may be required |
| Stamina | 4.0 | 8.0 | 1.0 | << | Extensive improvement in abilities may be required |
| Spatial Orientation | 2.7 | 7.4 | 1.0 | << | Extensive improvement in abilities may be required |
| Speed of Limb Movement | 3.2 | 7.0 | 1.0 | << | Extensive improvement in abilities may be required |
| Glare Sensitivity | 2.6 | 6.9 | 1.0 | << | Extensive improvement in abilities may be required |
| Dynamic Strength | 3.5 | 6.5 | 1.0 | << | Extensive improvement in abilities may be required |
| Gross Body Equilibrium | 3.2 | 6.4 | 1.0 | << | Extensive improvement in abilities may be required |

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 53

Focus Occupation: Natural Sciences Managers (11-9121)

Associated Occupation: Forest and Conservation Technicians (19-4093)

| Work Activities | Exclusivity of Activity |
|--|-------------------------|
| Adhere to safety procedures | 12 |
| Advise clients or customers | 19 |
| Analyze scientific research data or investigative findings | 27 |
| Communicate technical information | 4 |
| Conduct training for personnel | 30 |
| Explain complex mathematical information | 30 |
| Make presentations | 13 |
| Prepare reports | 8 |
| Use public speaking techniques | 13 |
| Use scientific research methodology | 21 |

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus
Occupation to Associated
Occupation: 85

Focus Occupation: Natural Sciences Managers (11-9121)
Associated Occupation: Forest and Conservation Technicians (19-4093)

| Tools and Technologies | Exclusivity |
|---|-------------|
| Audio and visual equipment | 4 |
| Business function specific software | 1 |
| Cameras | 2 |
| Commercial fishing equipment | 47 |
| Computers | 1 |
| Content authoring and editing software | 1 |
| Data management and query software | 1 |
| Electrochemical measuring instruments and accessories | 9 |
| Geophysical and geotechnical instruments | 23 |
| Hydrological instruments | 31 |
| Indicating and recording instruments | 2 |
| Industry specific software | 1 |
| Information exchange software | 1 |
| Land surveying instruments | 19 |
| Meteorological instruments | 16 |
| Network applications software | 1 |
| Personal communication devices | 2 |
| Sampling equipment | 12 |
| Soil measuring equipment | 20 |

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.